

PH

- 0982001040101

- [c7]** 7. The method of claim 2, wherein if said rejection criteria are met repeatedly, the user is prompted to speak the subgroups in smaller groups of speech units.
- [c8]** 8. The method of claim 7, wherein said prompt to speak subgroups in smaller groups of speech units provides a built in training mechanism for the user.
- [c9]** 9. The method of claim 2, wherein if said rejection criteria are met repeatedly, the user is prompted to use a dial pad to enter the speech units.
- [c10]** 10. The method of claim 1, wherein said speech units are selected from any of spoken digits, spoken letters and spoken words.
- [c11]** 11. The method of claim 1, wherein input of a next subgroup after receiving the fed back recognition result indicates a correct recognition of the currently input subgroup.
- [c12]** 12. The method of claim 2, wherein said rejection criteria requires determining a level of confidence in said recognition result.
- [c13]** 13. An automatic speech recognition system, comprising:  
a receiver for receiving at least a current subgroup of speech units that form part of a complete speech sequence that is to be input by a user;  
a detector for detecting a natural pause after receiving the subgroup;  
a decoder for detecting a natural pause between input subgroups to output a recognition result representative of the current subgroup; and  
a controller for evaluating the output recognition result and feeding back the recognition result to the user.
- [c14]** 14. The system of claim 13, wherein said user is only prompted to repeat said subgroup for re-recognition and re-verification if a rejection criteria is met.

- [c15]** 15. The system of claim 13, wherein the decoder compares the input subgroup with stored recognition grammar in order to determine the recognition result.
- [c16]** 16. The system of claim 18, wherein the recognition grammar is stored in a remote memory accessible by the decoder.
- [c17]** 17. The system of claim 14,  
wherein the recognition result includes at least one of a subgroup of speech units and a negative utterance representation that is included in the recognition result, and  
wherein the rejection criteria is met if the negative utterance is included therein.
- [c18]** 18. The system of claim 14, wherein said rejection criteria is met if the user speaks a negative utterance after receiving the fed back recognition result.
- [c19]** 19. The system of claim 14, wherein said rejection criteria is met if the user speaks a negative utterance while inputting the current subgroup, so that said recognition result includes the negative utterance.
- [c20]** 20. The system of claim 14, wherein the system remains active to process subsequent subgroups until it is determined that the complete speech sequence has been recognized.
- [c21]** 21. The system of claim 13, wherein said controller accesses pre-recorded prompts or a text-to-speech synthesis processor in order to effect feedback of the recognition result to the user.

0946200-050201  
"00291850"

Mx

- [c22]** 22. The system of claim 14, wherein if said rejection criteria is met repeatedly, said controller prompts the user to speak the subgroups in smaller groups of speech units.
- [c23]** 23. The system of claim 22, wherein said prompt to speak subgroups in smaller groups of speech units provides a built in training mechanism for the user.
- [c24]** 24. The system of claim 14, wherein if said rejection criteria is met repeatedly, said prompt generator prompts the user to use a dial pad to enter digits corresponding to the speech units.
- [c25]** 25. The system of claim 13, wherein said speech units are selected from any of spoken digits, spoken letter and spoken words.
- [c26]** 26. The system of claim 13, wherein input of a next subgroup after receiving the fed back recognition result indicates a correct recognition of the currently input subgroup.
- [c27]** 27. The system of claim 13, wherein said decoder determines a confidence level for said recognition result.

09246200-050201